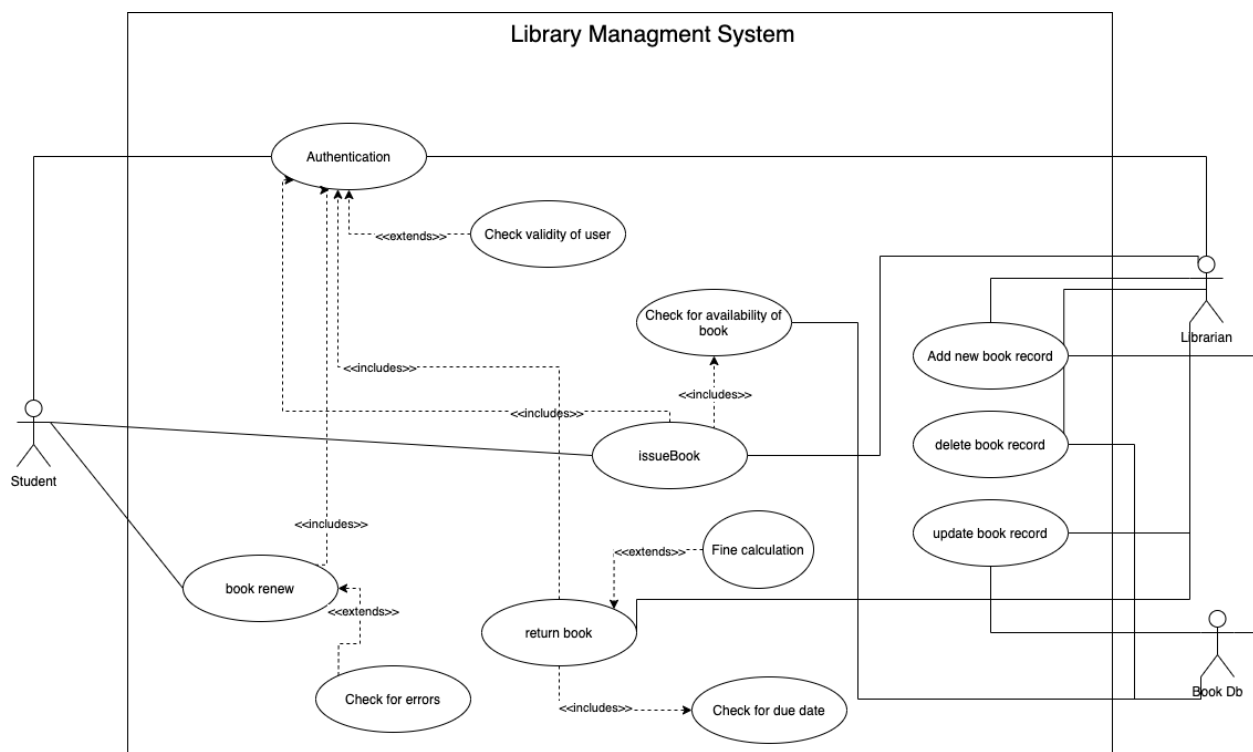


IT-314
Software Engineering
Group - 14

Q1. Library Management System

1. Use case diagram



Use case: issueBook

Authors: Developers

Goal : To issue a book

Actors: Librarian, Registered student

Pre-conditions: Students must be registered.

Post-conditions: Book must be issued to the student with due date marked by the Librarian.

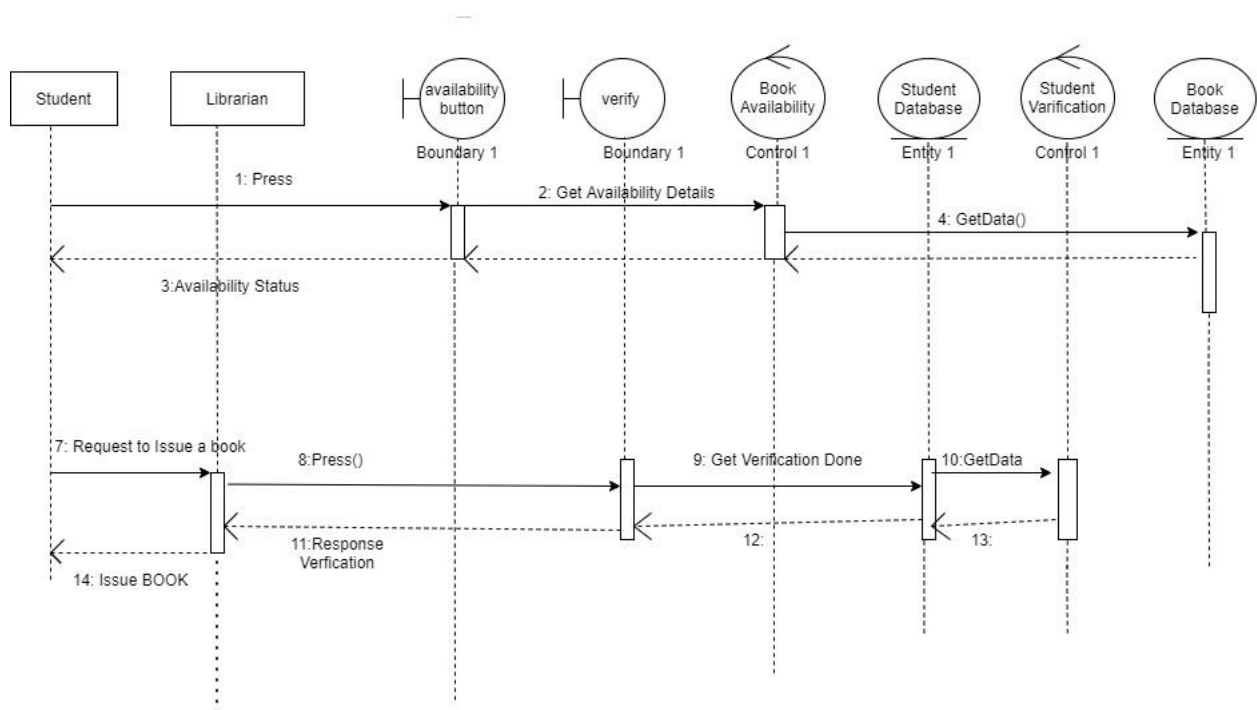
Description:

1. A registered student can request for a selected book.
2. The system should check for the availability of the book in the database.
3. After checking the availability the system should register the student's request for the selected book.

4. The Librarian should be notified about the new request.
5. The Librarian should then issue the book request with the due date.
6. The Student then should be notified about the status of the request.

2. The Sequence Diagram for the “issueBook” use case.

Sequence Diagram



3. Analysis object diagram for the “issueBook” use case analysis.

